

CONFIDENTIAL

1742.1

MEMORANDUM FOR: Director, Office of Current Intelligence
SUBJECT : Central Supervision of Magnetic Tape
Typewriter Operations

1. Pursuant to my memorandum of 31 May on the format and printing of DDI publications, and the OCI/ORR feasibility report on this subject of 7 June, I would like you to draft a DDI notice instructing the Director, OCI, to act as the executive agent of the DDI in organizing, coordinating, and managing magnetic tape typewriting units throughout the Directorate of Intelligence.

2. I concur in the recommendations contained in paragraph 4 of the 7 June joint report. I do not, however, expect to take any early steps toward urging other Directorates to adopt similar equipment.

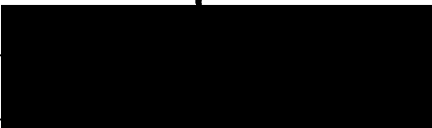

R. J. SMITH
Deputy Director for Intelligence

cc: ✓ D/ORR
D/OBI
C/Admin Staff
C/CGS
Special Assistant to the DDI
DDI Planning Officer

1- St/P

9 JUN 1967

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SENDER WILL CHECK CLASSIFICATION TOP AND BOTTOM			
UNCLASSIFIED		CONFIDENTIAL	SECRET
CENTRAL INTELLIGENCE AGENCY OFFICIAL ROUTING SLIP			
TO:	NAME AND ADDRESS	DATE	INITIALS
1			
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ACTION		DIRECT REPLY	PREPARE REPLY
APPROVAL		DISPATCH	RECOMMENDATION
COMMENT		FILE	RETURN
CONCURRENCE		INFORMATION	SIGNATURE
Remarks:			
<p><i>Thanks.</i></p> <p></p>			
FOLD HERE TO RETURN TO SENDER			
FROM: NAME, ADDRESS AND PHONE NO.			DATE
Ch/St/A/RR 4-F-19 Hdqrs. Ext. 5081			9 June 67
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7 June 1967

MEMORANDUM FOR: Deputy Director for Intelligence
THROUGH : Director of Current Intelligence
THROUGH : Director of Research and Reports
REFERENCE : DDI Memo 1856-67
SUBJECT : Magnetic Tape Typewriters

1. Following your suggestion to explore the possibilities of unifying the Magnetic Tape Typewriter equipment under a central authority responsive to the DDI, a meeting was held on 6 June with representatives of OCI, ORR, OBI, and PSD.

2. It was agreed that we might expect the following results from a central management of magnetic tape equipment.

a. Increased speed in the preparation of priority DDI and DCI requirements.

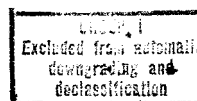
b. A consistently higher degree of product quality.

c. A reduction in over-all cost through more efficient utilization of personnel and equipment.

d. A greater back-up capability of operators and equipment.

e. Greater production efficiency through a continuing awareness of all DDI publishing requirements and their individual priorities.

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3. It was agreed that the concept of a central service in the DDI's memorandum was feasible, practical, timely, and as equipment became available, would make a considerable contribution to the Agency's efficiency in this field. Problems which might arise regarding equipment utilization and printing deadlines would be adjudicated by the Intelligence Information Staff, OCI.

4. The following recommendations were concurred in:

a. That the OCI Information Staff be authorized to coordinate and manage the program.

b. That units of Magnetic Tape Typewriters be installed in ORR and OBI utilizing present personnel and without initiating any personnel transfers.

c. That a magnetic tape unit be installed in the Collection Guidance Staff to prepare the Current Intelligence Requirements List (CIRL) for rapid processing through the PSD Epic System.

d. A magnetic tape unit be established in the Office of Military Intelligence.

e. That the Deputy Director for Intelligence sound out the other directorates regarding their magnetic tape requirements and that these be also incorporated into a centralized Agency program.

f. That the preparation of NIS contributions and other publications suitable for the Epic (Computerized Printing) Systems be fully coordinated with PSD.

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Chief, Publications
Staff, ORR

Chief, Intelligence
Information Staff, OCI

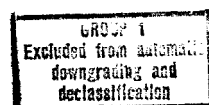
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Distribution:

- Orig & 1 - Addressee
- 1 - D/OCI
- 1 - D/ORR
- 1 - Originator

-2-

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DDI-1933-57

6 JUN 1967

MEMORANDUM FOR: Director of Research and Reports

SUBJECT: Automation of the Publication Process

1. This memorandum reports progress in evaluating the request made to you by Mr. James Brammell, D/OBI, on 19 May 1967, that ORR participate in the adoption of the DURA/EPIC system for the automation of the NIS publication process. Specifically, OBI has requested that ORR submit with each NIS contribution a paper tape of the manuscript, produced on the DURA typewriter, in order to facilitate the automation of editing and publication by means of the EPIC system. This memorandum also discusses related action taken to automate the publication of ORR's own research reports.

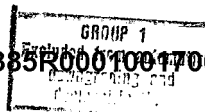
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2. As you know, an early version of the EPIC system, tested some months ago by [REDACTED] Chief, St/P, was found inadequate for the following reasons:

- a. The paper punching equipment was too noisy.
- b. The paper tape was inconvenient and inefficient to use in making typing and editorial corrections.
- c. The system could not handle tabular materials.
- d. There was reason to believe that the system as a whole, being dependent on central computer support, was not flexible enough to cope with projects which must be published under crash deadlines or which must be revised and modified down to the moment of release to our customers.

3. Chief, St/P, recommended instead, on 14 December 1966, in a contribution to the SA/RR on the subject of ORR plans for FY 1969-73, that consideration be given

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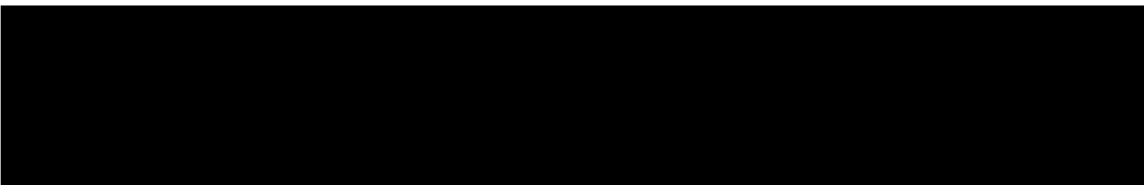
to the adoption of the Magnetic Tape Selectric Typewriter (MTST) system, a less complicated system, parts of which are still under development by IBM. With the one element of this system already available, OCI is presently producing hard copy and magnetic tape in a single keyboard operation. After the copy is proofed and edited, the tape is corrected on the same machine. Multilith mats are then produced from the tape for direct image printing. When the remainder of the equipment, expected in about a year, becomes available, it will be possible to use the tapes to operate an electronic composing machine to type automatically, high quality, justified copy on multilith mats, from a wide variety of type faces. The system is self-contained, requires no computer support, and readily permits the making of editorial changes down to the moment of publication.

4. On 23 February 1967, ORR notified Chief, PSD, of its intent to lease the MTST system when it becomes available, for use in ORR publication typing. PSD acknowledged on 3 March 1967, that it, too, planned to employ the IBM system, along with the EPIC system. PSD also indicated that it is developing a high speed phototypesetting system utilizing a special purpose computer, completely controlled in the composing room. PSD therefore concurred in the ORR request, subject to review when the IBM system becomes available, in accordance with the status of the system being developed in-house.

5. On 27 May, I was given a brief tour of the PSD reproduction facilities in the Special Center and observed the IBM/MTST units now operating in OCI. OCI now uses three MTST units which are capable of simultaneously producing hard copy and magnetic tape. The tape comes in special cartridges designed for easy loading into the typewriters. Errors detected by the typist can be corrected on the tape merely by backspacing and striking over. Copy is proofread and edited in the usual manner. The typist then reruns the tape and re-types the copy automatically until she comes to a portion of the text to be changed. At this point the machine is stopped and the changes are made manually on the keyboard which corrects the tape. Clean copy can be made from the corrected tape and photographed for reproduction or a multilith mat can be cut automatically from the corrected tape. Thus even the initial element of the system now available, is being used operationally. McNamara V, including the tables, was produced on this

equipment in the middle of May, at a great increase in efficiency and speed over manual methods. When the editing and composing units become available it will be possible to edit the tape with greater speed, facility, and accuracy.

6. OCI is experimenting with this equipment in the production of its contributions to the NIS program. Copy for the NIS, typed in the conventional manner by the research components, is retyped on MTST tape. This copy is then edited and coordinated with the originating components, after which the tape is corrected for agreed editorial changes. From this corrected tape, hard copy manuscript is typed automatically to submit to OBI. Experimentally, PSD is installing MTST equipment which it will use to incorporate the OBI editorial changes on the OCI tape. Retyping in OBI will thus be eliminated. If this system proves feasible, PSD will explore the possibility of feeding IBM/MTST tape into its EPIC system or other composing equipment for reproduction.



specialists met in my Office, to discuss the respective 25X1A merits of the EPIC and MTST systems for the automation of both ORR publications and the NIS. At this meeting the ORR representatives emphasized the growing importance of timely, current publications in the ORR product mix, reviewed the unsatisfactory trial of the EPIC system, noted that a letter of intent on the acquisition of the MTST system had been issued, and discussed the problems of operating under two different systems.

8. At this meeting it was learned from PSD:

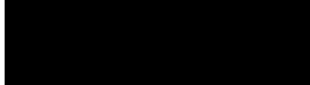
- a. That the DURA/EPIC system lacks the capability to handle current intelligence production at the present time.
- b. That it cannot yet cope with tabular material.
- c. That it is believed that magnetic tape systems are compatible with the EPIC system.

d. It was also confirmed that OBI and PSD are testing the merits of using the DURA tape and MTST tape as sources of input to the EPIC system. This test, as noted above, is being conducted, insofar as the MTST input is concerned, with NIS contributions produced in OCI, and is expected to be completed by 30 June 1967. It was therefore agreed that the ORR and OBI representatives would recommend to their respective Office directors that ORR action in complying with Mr. Brammell's request cited in Para. 1 above, be deferred pending the determination of whether MTST tape can be satisfactorily employed as an input to the EPIC system.

9. Since the EPIC system is still under development it is premature to estimate either its capital or its operating costs. In making cost comparisons, moreover, it is important to compare equivalent components and systems. The DURA typewriter is an input unit for the planned EPIC system just as the MTST equipment now in use by OCI, represents only one element of the MTST system. It is therefore inappropriate to compare the cost of the DURA unit alone, without the computer support required to complete the system, with the entire cost of the MTST system. Total cost of any system to the Agency will depend on the cost of all of the components of the system, not merely upon the cost of the input units. Some of these components may be located in production offices, while others, which complete the system, may be located in supporting components, such as PSD.

10. For the record it is also noted that on 26 May, following the meeting with PSD and OBI, changes in the ORR format for the Intelligence Memoranda were agreed upon by the Director, ORR and Chief, St/P, to comply with suggestions from the DD/I. At this time it was also agreed that compliance with these suggestions requires the use of MTST equipment. Measures were then initiated to expedite the installation of the MTST system in ORR for its own production by the immediate leasing of two MTST units.

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Executive Assistant
Research and Reports

TRANSMITTAL SLIP		DATE June 1967
TO: ADDI <i>SWP</i>		
ROOM NO. 7E 44	BUILDING Hq.	
REMARKS: For your information.		
FROM: D/ORR		
ROOM NO. 4F 18	BUILDING Hq.	EXTENSION 7581

STATINTL

FORM NO. 241
1 FEB 55

REPLACES FORM 36-8
WHICH MAY BE USED.

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